

Claims

What is claimed is:

1. A plow moldboard cutting edge comprising:
 - 5 a. a cutting edge blade having one or more receiving apertures defined therein;
 - b. one or more elastic bushings, each bushing:
 - (1) having a through hole defined therein, and
 - (2) being situated within one of the receiving apertures,

10 whereby fasteners may be inserted through the through holes of the bushings and into a plow moldboard to affix the cutting edge blade to the plow moldboard, with the bushings thereby spacing the cutting edge blade from the fasteners within the receiving apertures.
- 15 2. The plow moldboard cutting edge of claim 1 further comprising a mounting member adjacent the cutting edge blade and at least one of the receiving apertures defined therein, wherein the mounting member:
 - a. is sized greater than the adjacent receiving apertures, and
 - b. has at least one fastening hole defined therein, with the fastening hole

20 being aligned with one of the receiving apertures.
3. The plow moldboard cutting edge of claim 2 wherein the mounting member is elongated to extend along a length of the cutting blade.
- 25 4. The plow moldboard cutting edge of claim 3 wherein the mounting member is adjacent at least two of the receiving apertures, and extends therebetween.

5. The plow moldboard cutting edge of claim 2 wherein the mounting member is defined by an elongated bar extending adjacent to and between the receiving apertures.
- 5 6. The plow moldboard cutting edge of claim 1 wherein:
- a. each of the elastic bushings includes a nonelastic bushing therein, and
 - b. the through hole is defined in the nonelastic bushing.
- 10 7. The plow moldboard cutting edge of claim 6 wherein the thicknesses of the elastic bushings, as measured along the axes of their through holes, are less than the lengths of the nonelastic bushings as measured along the same axis.
- 15 8. The plow moldboard cutting edge of claim 6 wherein the thickness of the cutting edge blade, as measured along the axes of the receiving apertures, are less than the lengths of the nonelastic bushings as measured along the axes of the through holes in the elastic bushings.
- 20 9. The plow moldboard cutting edge of claim 1 further comprising:
- a. a plow moldboard with one or more cutting edge mounting holes defined therein, the cutting edge mounting holes being adjacently aligned with the receiving apertures of the cutting edge blade; and
 - b. one or more fasteners, each extending through one of the cutting edge mounting holes and one of the bushings.

10. The plow moldboard cutting edge of claim 1 further comprising:

a. a plow moldboard having a lower edge, with one or more cutting edge mounting holes:

(1) situated adjacent the lower edge, and

(2) aligned with the receiving apertures;

b. one or more mounting members, each being:

(1) situated adjacent at least one of the receiving apertures of the cutting edge blade, with the cutting edge blade being situated between the mounting member and the plow moldboard, and

(2) sized greater than any adjacent receiving aperture, whereby the mounting member will maintain any elastic bushing therein;

c. fasteners extending through:

(1) the mounting members,

(2) the receiving apertures of the cutting edge blade and the through holes of the elastic bushings therein, and

(3) the plow moldboard.

11. A plow moldboard cutting edge comprising:

- a. a plow moldboard having a lower edge, with a cutting edge mounting hole situated adjacent the lower edge;
- b. a cutting edge blade at the lower edge of the plow moldboard, the cutting edge blade having a receiving aperture defined therein, the receiving aperture being aligned with the cutting edge mounting hole;
- c. a fastener extending through the cutting edge mounting hole in the plow moldboard and the receiving aperture in the cutting edge blade;
- d. an elastic bushing situated within the receiving aperture in the cutting edge blade, the elastic bushing having a through hole through which the fastener extends, whereby the elastic bushing is interposed between the cutting edge blade and the fastener.

12. The plow moldboard cutting edge of claim 11 wherein the elastic bushing has a nonelastic bushing situated therein, and wherein the through hole is defined within the nonelastic bushing.

13. The plow moldboard cutting edge of claim 12 wherein:

- a. the elastic bushing has a thickness defined along the axis of the through hole;
- b. the nonelastic bushing has a length defined along the axis of the through hole; and
- c. the length of the nonelastic bushing is greater than the thickness of the elastic bushing.

14. The plow moldboard cutting edge of claim 11 wherein:

- a. the elastic bushing has a nonelastic bushing situated therein, with the through hole being defined within the nonelastic bushing;
- b. the cutting edge blade has a thickness defined along the axis of its receiving aperture;
- c. the nonelastic bushing has a length defined along the axis of the through hole; and
- d. the length of the nonelastic bushing is greater than the thickness of the cutting blade.

15. The plow moldboard cutting edge of claim 11 further comprising a mounting member situated adjacent the cutting edge blade, wherein:

- a. the cutting edge blade is situated between the mounting member and the plow moldboard,
- b. the mounting member is sized to retain the elastic bushing in the receiving aperture between the mounting member and the plow moldboard; and
- c. the fastener additionally extends through the mounting member.

16. The plow moldboard cutting edge of claim 15 wherein the mounting member is elongated to extend along a length of the cutting edge blade.

17. A plow moldboard cutting edge comprising:

- a. a plow moldboard having a lower edge, with a cutting edge mounting hole situated adjacent the lower edge;
- b. a cutting edge blade situated adjacent the plow moldboard, the cutting edge blade having a receiving aperture defined therein with the receiving aperture aligned with the cutting edge mounting hole;
- c. an elastic bushing:
 - (1) situated within the receiving aperture, and
 - (2) having a through hole defined therein;
- d. a mounting member situated adjacent the receiving aperture of the cutting edge blade, with:
 - (1) the cutting edge blade and elastic bushing being situated between the mounting member and the plow moldboard, and
 - (2) the mounting member being sized to maintain the elastic bushing within the receiving aperture of the cutting edge blade;
- e. a fastener extending through:
 - (1) the mounting member,
 - (2) the receiving aperture of the cutting edge blade and the through hole of the elastic bushing therein, and
 - (3) the plow moldboard.

18. The plow moldboard cutting edge of claim 17 further comprising a nonelastic bushing extending through the elastic bushing between the mounting member and the plow moldboard.

19. The plow moldboard of claim 18 wherein:

- a. the nonelastic bushing and the elastic bushing each have a thickness measured between the mounting member and the plow moldboard, and
- b. the thickness of the nonelastic bushing is greater than the thickness of the elastic bushing.

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20. The plow moldboard cutting edge of claim 17 further comprising a nonelastic bushing lining the through hole of the elastic bushing.

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21. The plow moldboard cutting edge of claim 17 wherein the mounting member is elongated, and extends along a length of the cutting edge blade.